

**Figure 1**

GAGGTCCAGCTGGTGCAGTCTGGGGCTGAGGTGAAGAAGCCTGGGTCCTC	50
GGTGAAGGTCTCCTGCAAGGCTTCTGGAGGCACCTTCAGCAGCTATGCTA	100
TCAGCTGGGTGCGACAGGCCCCTGGACAAGGGCTTGAGTGGATGGGAGGG	150
ATCATCCCTATCTTTGGTACAGCAAACCTACGCACAGAAGTTCCAGGGCAG	200
AGTCACGATTACCGCGGACAAATCCACGAGCACAGCCTACATGGAGCTGA	250
GCAGCCTGAGATCTGAGGACACGGCCGTGTATTACTGTGCGAGAGCGCCA	300
TTACGATTTTTGGAGTGGTCCACCCAAGACCACTACTACTACTACTACAT	350
GGACGTCTGGGGCAAAGGGACCACGGTCACCGTCTCAAGC	390

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**Figure 2**

EVQLVQSGAEVKKPGSSVKVSCKASGGTFSS <u>SYAIS</u> WVRQAPGQGLEWMGG	50
<u>IIP</u> IFGTANYA <u>QKFQ</u> GRVTITADKSTSTAYMELSSLRSED <u>TAVYYCAR</u> <u>AP</u>	100
<u>LR</u> FLEWSTQDHYYYYYMDVWGKGTITVTVSS	130

Figure 3

ATGGGATGGTCATGTATCATCCTTTTTCTAGTAGCAACTGCAACTGGAGT	50
ACATT CAGAGGTCCAGCTGGTGCAGTCTGGGGCTGAGGTGAAGAAGCCTG	100
GGTCCTCGGTGAAGGTCTCCTGCAAGGCTTCTGGAGGCACCTTCAGCAGC	150
TATGCTATCAGCTGGGTGCGACAGGCCCCCTGGACAAGGGCTTGAGTGGAT	200
GGGAGGGATCATCCCTATCTTTGGTACAGCAAACCTACGCACAGAAGTTCC	250
AGGGCAGAGTCACGATTACCGCGGACAAATCCACGAGCACAGCCTACATG	300
GAGCTGAGCAGCCTGAGATCTGAGGACACGGCCGTGTATTACTGTGCGAG	350
AGCGCCATTACGATTTTTGGAGTGGTCCACCCAAGACCACTACTACTACT	400
ACTACATGGACGTCTGGGGCAAAGGGACCACGGTCACCGTCTCAAGCGCC	450
TCCACCAAGGGCCCATCGGTCTTCCCCCTGGCACCCCTCCTCCAAGAGCAC	500
CTCTGGGGGCACAGCGGCCCTGGGCTGCCTGGTCAAGGACTACTTCCCCG	550
AACCGGTGACGGTGTCTGTGGAACCTCAGGCGCCCTGACCAGCGGCGTGAC	600
ACCTTCCCCGGCTGTCTACAGTCTCAGGACTCTACTCCCTCAGCAGCGT	650
GGTGACCGTGCCCTCCAGCAGCTTGGGCACCCAGACCTACATCTGCAACG	700
TGAATCACAAGCCCAGCAACACCAAGGTGGACAAGAAAGTTGAGCCCAA	750
TCTTGTGACAAAACCTCACACATGCCACCCGTGCCAGCACCTGAACTCCT	800
GGGGGGACCGTCAGTCTTCTCTTCCCCCAAACCCAAGGACACCTCA	850
TGATCTCCCGGACCCCTGAGGTCAATGCGTGGTGGTGGACGTGAGCCAC	900
GAAGACCTGAGGTCAAGTTCAACTGGTACGTGGACGGCGTGGAGGTGCA	950
TAATGCCAAGACAAAGCCGCGGGAGGAGCAGTACAACAGCACGTACCGGG	1000
TGGTCAGCGTCCTCACCGTCTTGCACCAGGACTGGCTGAATGGCAAGGAG	1050
TACAAGTGCAAGGTCTCCAACAAAGCCCTCCCAGCCCCCATCGAGAAAAC	1100
CATCTCCAAGCCAAAGGGCAGCCCCGAGAACCACAGGTGTACACCCTGC	1150
CCCCATCCCGGGAGGAGATGACCAAGAACCAGGTGAGCCTGACCTGCCTG	1200
GTCAAAGGCTTCTATCCCAGCGACATCGCCGTGGAGTGGGAGAGCAATGG	1250
GCAGCCGGAGAACTACAAGACCACGCCTCCCGTGCTGGACTCCGACG	1300
GCTCCTTCTTCTCTACAGCAAGCTCACCGTGGACAAGAGCAGGTGGCAG	1350
CAGGGGAACGTCTTCTCATGCTCCGTGATGCATGAGGCTCTGCACAACCA	1400
CTACACGCAGAAGAGCCTCTCCCTGTCTCCGGGTAAATGA	1440

Figure 4

<u>MGWSCIIILFLVATATGVHSEVQLVQSGAEVKKPGSSVKV</u> <u>SCKASGGTFSS</u>	50
YAI <del>SWVRQAPGQGLEWMGGIIPIFGTANYAQKFQGRVTITADKSTSTAYM</del>	100
ELSSLRSEDTAVYYCARAPLR <del>FLEWSTQDHYYYYYMDVWGKGTTVTVSSA</del>	150
STKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPVTVSWNSGALTSGVH	200
TFPAVLQSSGLYSLSSVTVPSSSLGTQTYICNVNHKPSNTKVDKKVEPK	250
SCDKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSH	300
EDPEVKFNWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKE	350
YKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSLTCL	400
VKGFYPSDIAVEWESNGQPENNYKTTTPVLDSDGSFFLYSKLTVDKSRWQ	450
QGNVFSCSVMEALHNHYTQKSLSLSPGK	479

**Figure 5**

TCTTCTGAGCTGACTCAGGACCCTGCTGTGTCTGTGGCCTTGGGACAGAC	50
AGTCAGGATCACATGCCAAGGAGACAGCCTCAGAAGCTATTATGCAAGCT	100
GGTACCAGCAGAAGCCAGGACAGGCCCTGTACTTGTCTATCTATGGTAAA	150
AACAACCGGCCCTCAGGGATCCCAGACCGATTCTCTGGCTCCAGCTCAGG	200
AAACACAGCTTCCTTGACCATCACTGGGGCTCAGGCGGAAGATGAGGCTG	250
ACTATTACTGTAACTCCCGGGACAACAGTGATAACCGTCTGATATTTGGC	300
GGCGGGACCAAGCTGACCGTCCTCAGT	327

**Figure 6**

SSELTQDPAVSVALGQTVRITC <u>QGDSLRSYYAS</u> WYQQKPGQAPVLVIY <u>GK</u>	50
<u>NNRPS</u> GIPDRFSGSSSGNTASLTITGAQAEDEADYYC <u>NSRDNSDNRLIF</u> G	100
GGTKLTVLS	109

**Figure 7**

ATGGGATGGTCATGTATCATCCTTTTTCTAGTAGCAACTGCAACTGGAGT	50
ACATTCATCTTCTGAGCTGACTCAGGACCCTGCTGTGTCTGTGGCCTTGG	100
GACAGACAGTCAGGATCACATGCCAAGGAGACAGCCTCAGAAGCTATTAT	150
GCAAGCTGGTACCAGCAGAAGCCAGGACAGGCCCTGTACTTGTCATCTA	200
TGGTAAAAACAACCGGCCCTCAGGGATCCCAGACCGATTCTCTGGCTCCA	250
GCTCAGGAAACACAGCTTCCTTGACCATCACTGGGGCTCAGGCGGAAGAT	300
GAGGCTGACTATTACTGTAAC TCCCGGGACAACAGTGATAACCGTCTGAT	350
ATTTGGCGGCGGGACCAAGCTGACCGTCCTCAGT CAGCCCAAGGCTGCCC	400
CCTCGGTCACTCTGTTCCCGCCCTCCTCTGAGGAGCTTCAAGCCAACAAG	450
GCCACACTGGTGTGTCTCATAAGTGACTTCTACCCGGGAGCCGTGACAGT	500
GGCCTGGAAGGCAGATAGCAGCCCCGTCAAGGCGGGAGTGGAGACCACCA	550
CACCCCTCCAAACAAAGCAACAACAAGTACGCGGCCAGCAGCTATCTGAGC	600
CTGACGCCTGAGCAGTGGAAGTCCACAGAAGCTACAGCTGCCAGGTCAC	650
GCATGAAGGGAGCACCGTGGAGAAGACAGTGGCCCCCTGCAGAATGCTCTT	700
GA	702

**Figure 8**

<u>MGWSCIILFLVATATGVHSSSELTQDPAVSVALGQTVRITCQGDSLRSYY</u>	50
<u>ASWYQQKPGQAPVLVIYGKNNRPSGIPDRFSGSSSGNTASLTITGAQAED</u>	100
<u>EADYYCNSRDNSDNRLIFGGGTKLTVLSQPKAAPSVTLFPPSSEELQANK</u>	150
<u>ATLVCLISDFYPGAVTVAWKADSSPVKAGVETTTPSKQSNNKYAASSYLS</u>	200
<u>LTPEQWKSHRSYSCQVTHEGSTVEKTVAPAECS</u>	233



**Figure 9**

TCTTCTGAGCTGACTCAGGACCCTGCTGTGTCTGTGGCCTTGGGACAGAC	50
AGTCAGGATCACATGCCAAGGAGACAGCCTCAGAAGCTATTATGCAACCT	100
GGTACCAGCAGAAGCCAGGACAGGCCCTATTCTTGTCTATGCTGAA	150
AATAAGCGGCCCTCAGGGATCCCAGACCGATTCTCTGGCTCCAGCTCAGG	200
AAACACAGCTTCCTTGACCATCACTGGGGCTCAGGCAGAAGATGAGGCTG	250
ACTACTATTGTAAATCTCGGGATGGCAGTGGTCAACATCTGGTGTTCGGC	300
GGAGGGACCAAGCTGACCGTCCTAGGT	327

**Figure 10**

SSELTQDPAVSVALGQTVRITCQGDSLRSYYATWYQQKPGQAPILVIYGE	50
NKRPSGIPDRFSGSSSGNTASLTITGAQAEDEADYYCKSRDGSQGHLVFG	100
GGTKLTVLG	109

Figure 11

<u>ATGGGATGGTCATGTATCATCCTTTTTCTAGTAGCAACTGCAACTGGAGT</u>	50
<u>ACATTCATCTTCTGAGCTGACTCAGGACCCTGCTGTGTCTGTGGCCTTGG</u>	100
GACAGACAGTCAGGATCACATGCCAAGGAGACAGCCTCAGAAGCTATTAT	150
GCAACCTGGTACCAGCAGAAGCCAGGACAGGCCCTATTCTTGTCATCTA	200
TGGTGAAAAATAAGCGGCCCTCAGGGATCCCAGACCGATTCTCTGGCTCCA	250
GCTCAGGAAACACAGCTTCCTTGACCATCACTGGGGCTCAGGCAGAAGAT	300
GAGGCTGACTACTATTGTAAATCTCGGGATGGCAGTGGTCAACATCTGGT	350
GTTCGGCGGAGGGACCAAGCTGACCGTCCTAGGTCAGCCCAAGGCTGCCC	400
CCTCGGTCACTCTGTTCCCGCCCTCCTCTGAGGAGCTTCAAGCCAACAAG	450
GCCACACTGGTGTGTCTCATAAGTGACTTCTACCCGGGAGCCGTGACAGT	500
GGCCTGGAAGGCAGATAGCAGCCCCGTCAAGGCGGGAGTGGAGACCACCA	550
CACCTCCAAACAAAGCAACAACAAGTACGCGGCCAGCAGCTATCTGAGC	600
CTGACGCCTGAGCAGTGGAAGTCCCACAGAAGCTACAGCTGCCAGGTCAC	650
GCATGAAGGGAGCACCGTGGAGAAGACAGTGGCCCCTGCAGAATGCTCTT	700
GA	702

**Figure 12**

<u>MGWSCIILFLVATATGVHSSSELTQDPAVSVALGQTVRITCQGDSLRSYY</u>	50
ATWYQQKPGQAPILVIYGENKRPSGIPDRFSGSSSGNTASLTITGAQAED	100
EADYYCKSRDGSQHLVFGGGTKLTVLGQPKAAPSVTLFPPSSEELQANK	150
ATLVCLISDFYPGAVTVAWKADSSPVKAGVETTTPSKQSNNKYAASSYLS	200
LTPEQWKSHRSYSCQVTHEGSTVEKTVAPAECS	233

Figure 13

## Heavy chain

CDR1	CDR2	CDR3	
SYAIS	GIIPIFGTANYAQKFQG	APLRFLEWSTQDHYYYYYMDV	2F8/A12

## Light chain

CDR1	CDR2	CDR3	
QGDSLRSYYAS	G <u>K</u> NNRPS	<u>N</u> SRD <u>N</u> S <u>D</u> NRL <u>I</u>	2F8
QGDSLRSYYAT	G <u>E</u> N <u>K</u> RPS	<u>K</u> SRD <u>G</u> S <u>G</u> <u>Q</u> HL <u>V</u>	A12

Figure 14

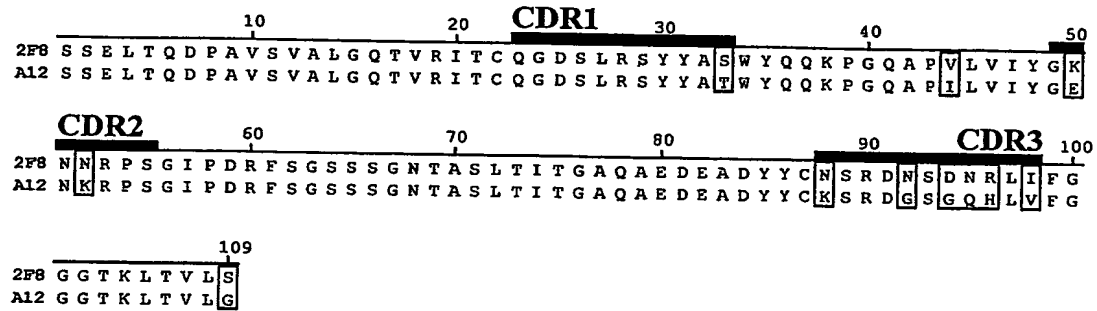


Figure 15

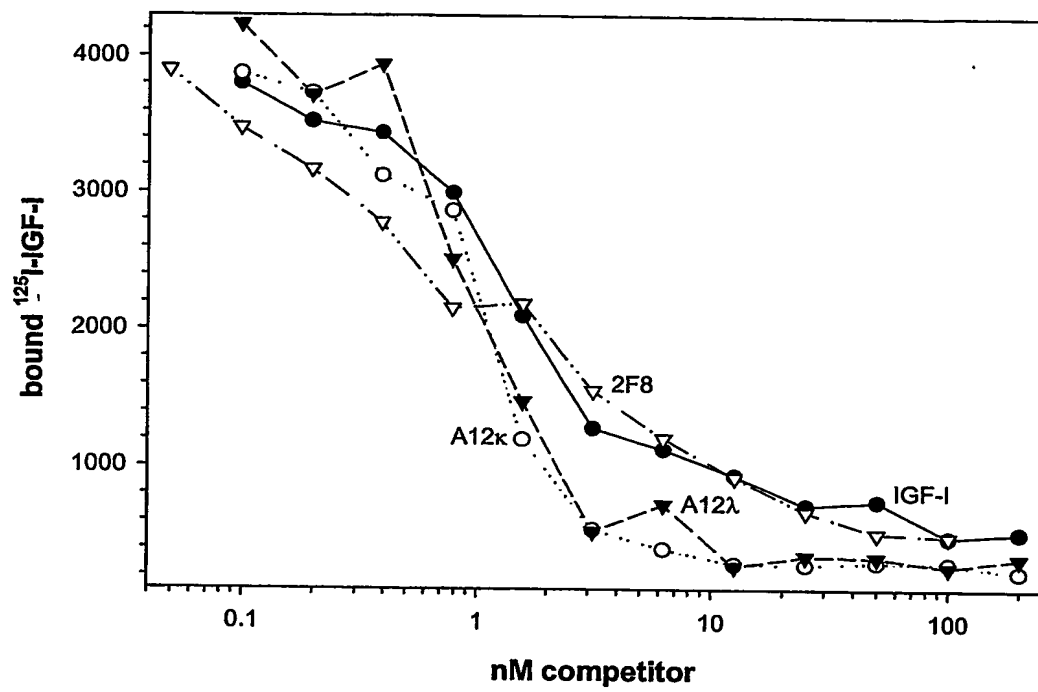


Figure 16

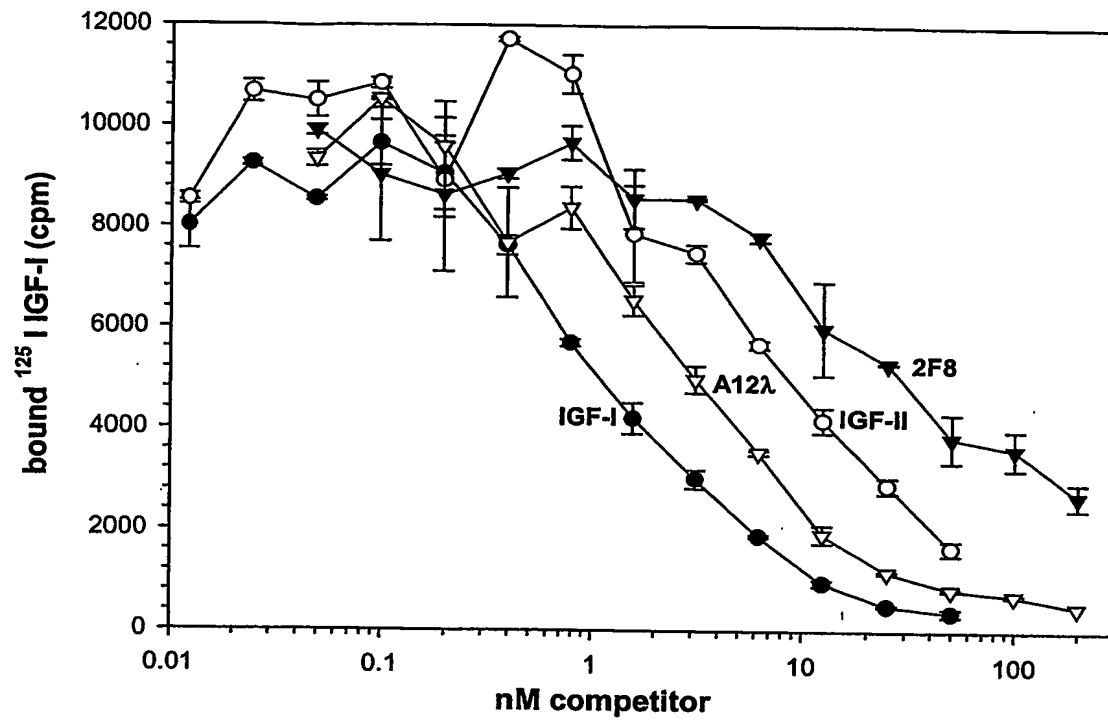




Figure 17

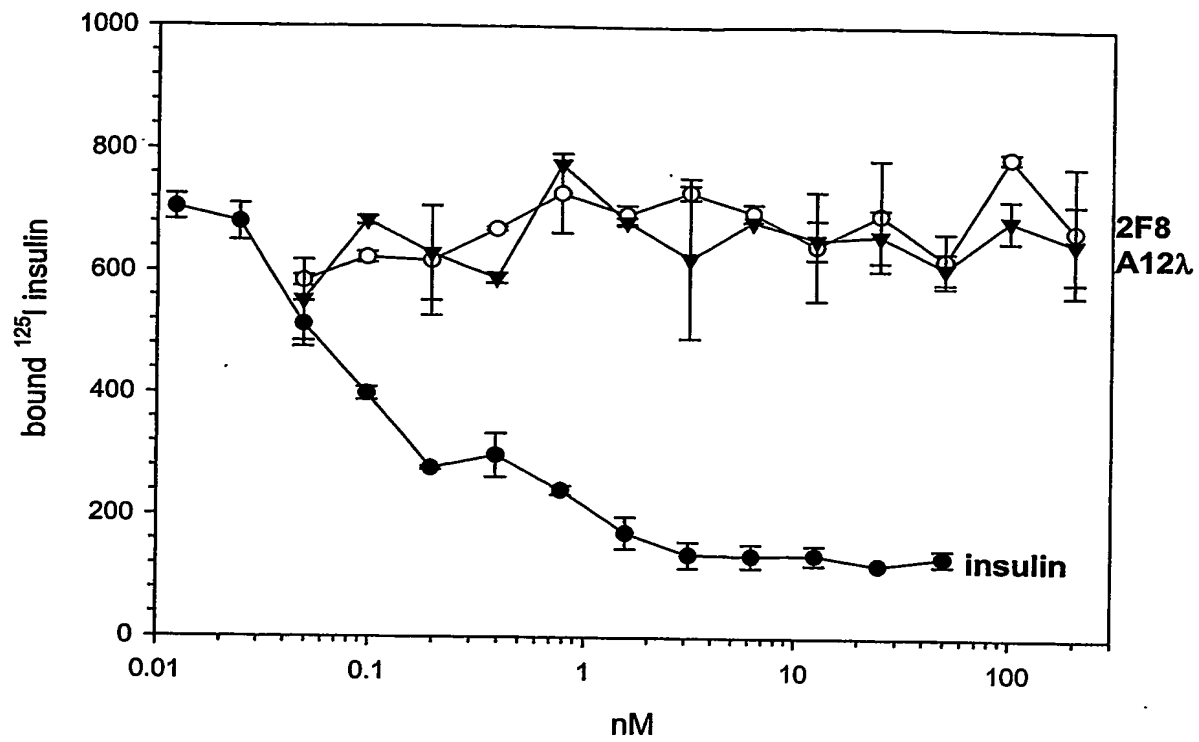


Figure 18A

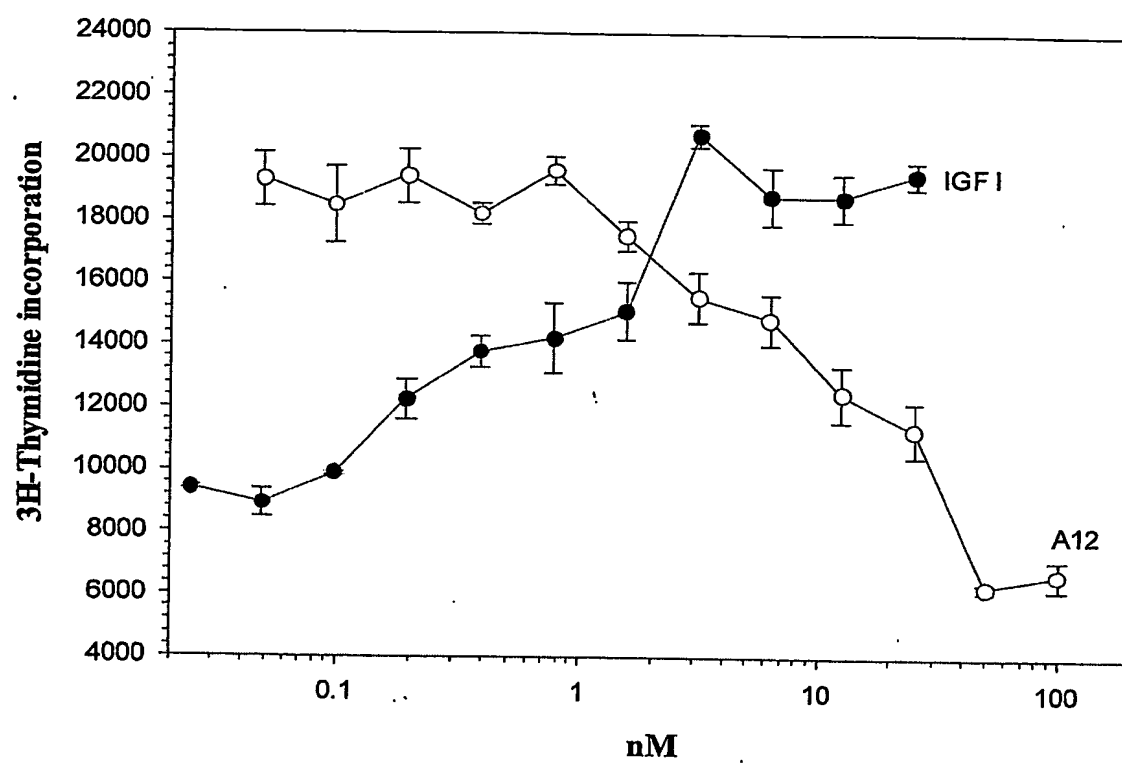


Figure 18B

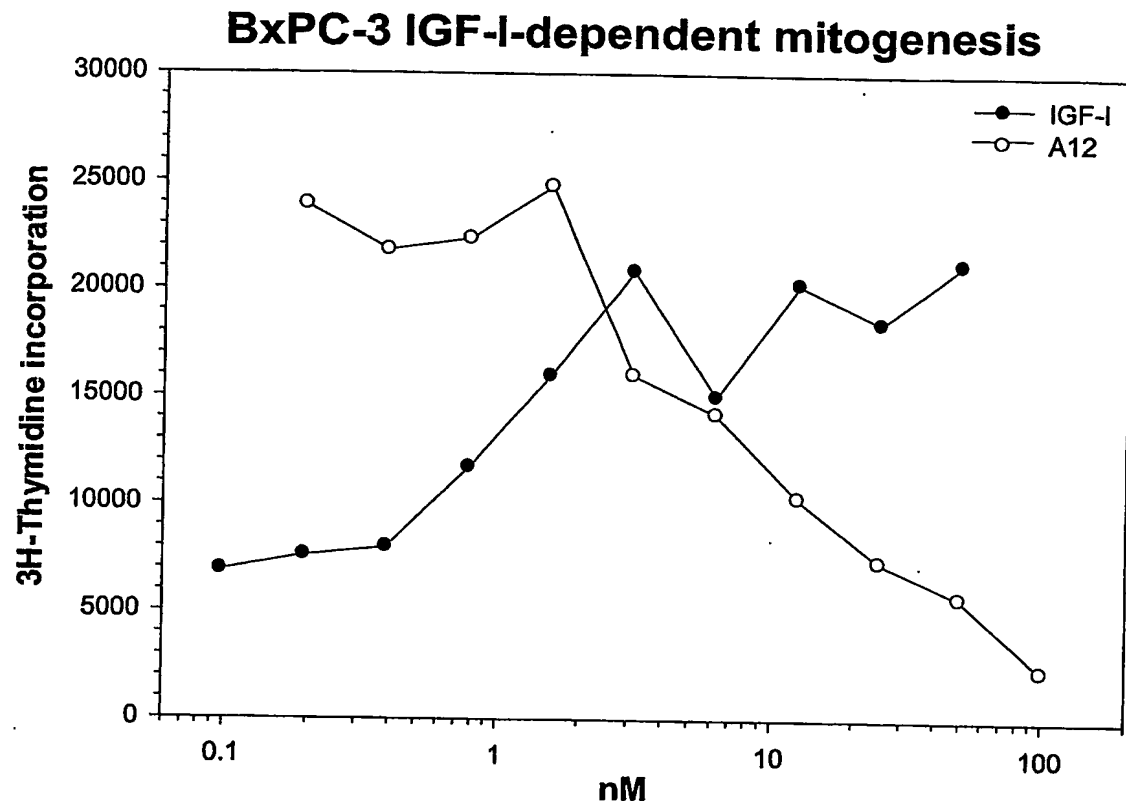
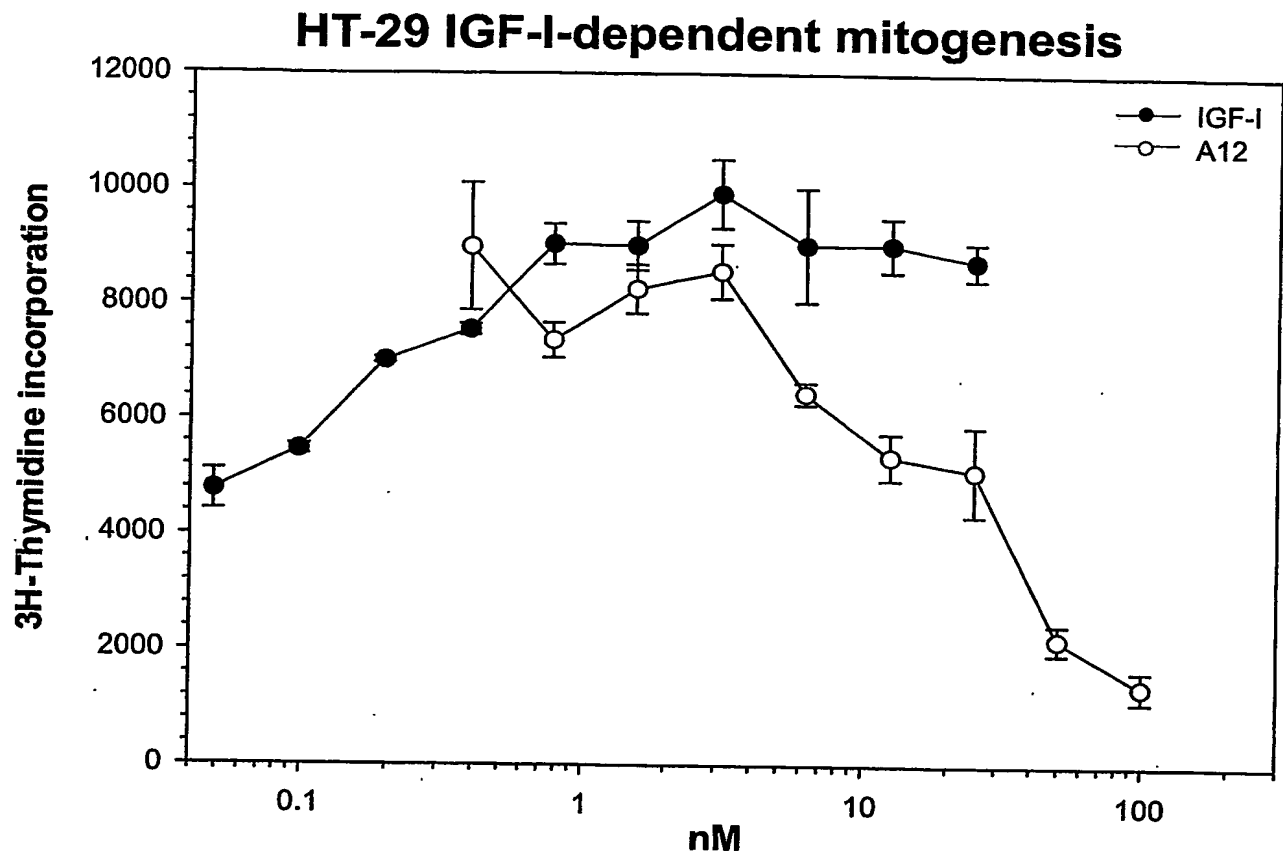


Figure 18C



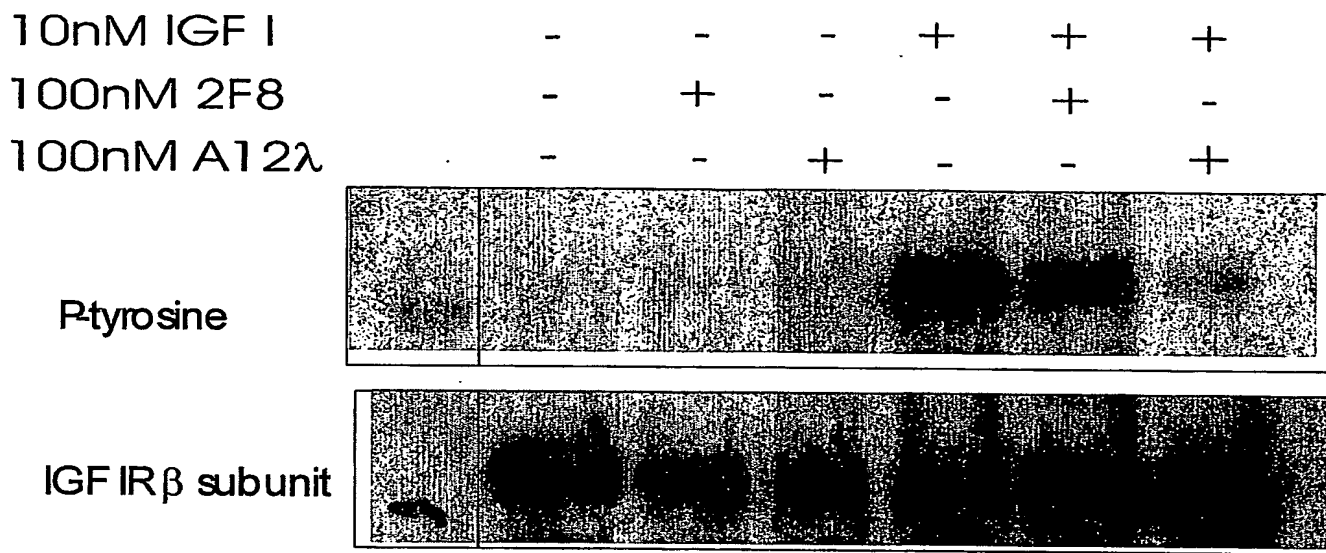
**Figure 19A**

Figure 19B

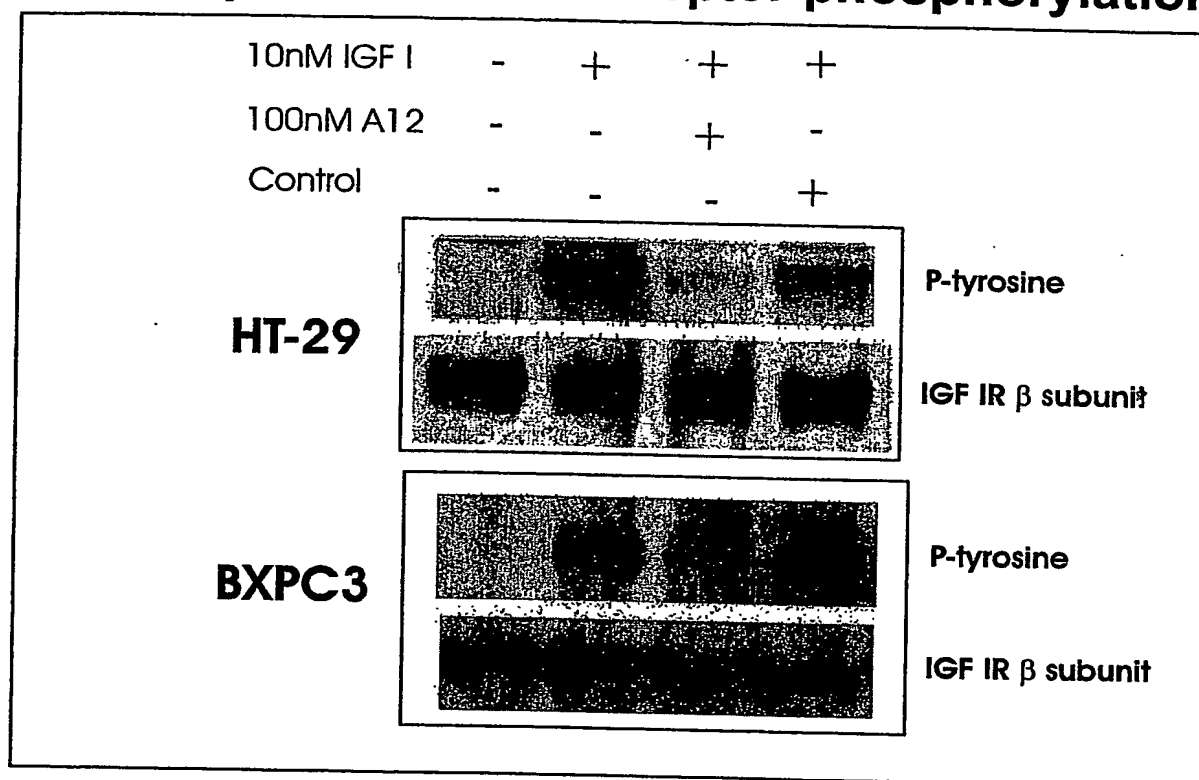
**IGF-I-dependent IGF-I receptor phosphorylation**

Figure 20A

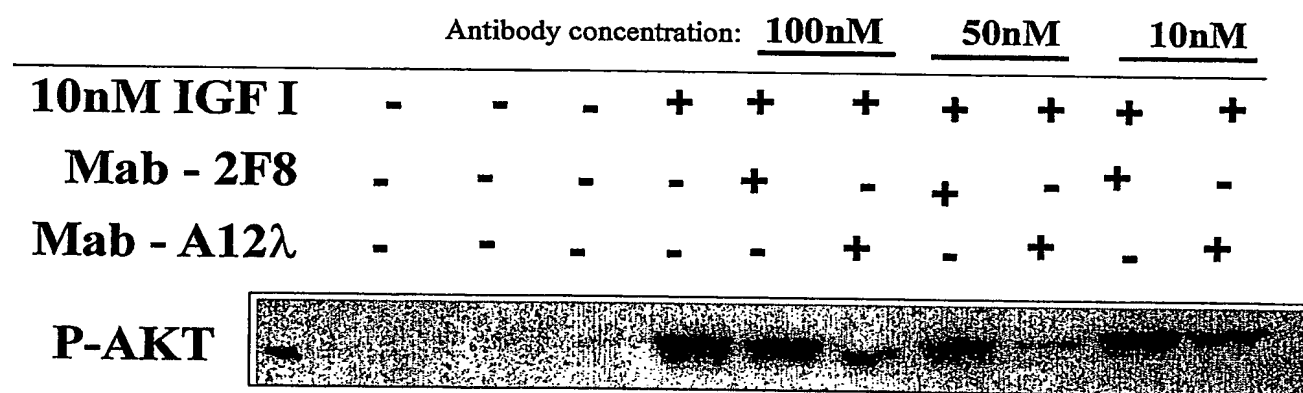
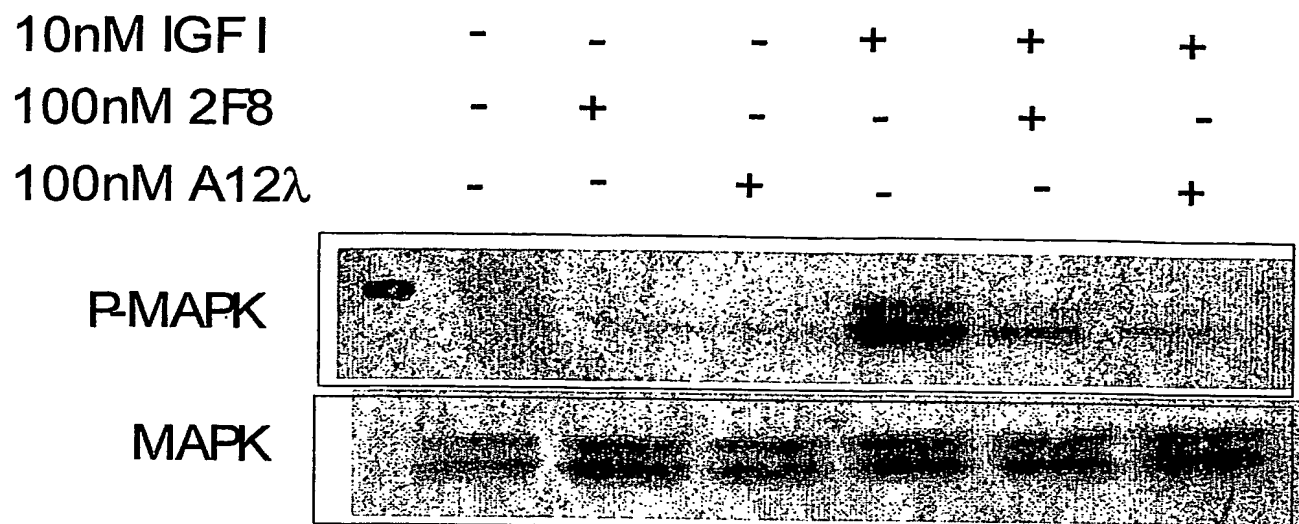


Figure 20B

Figure 21

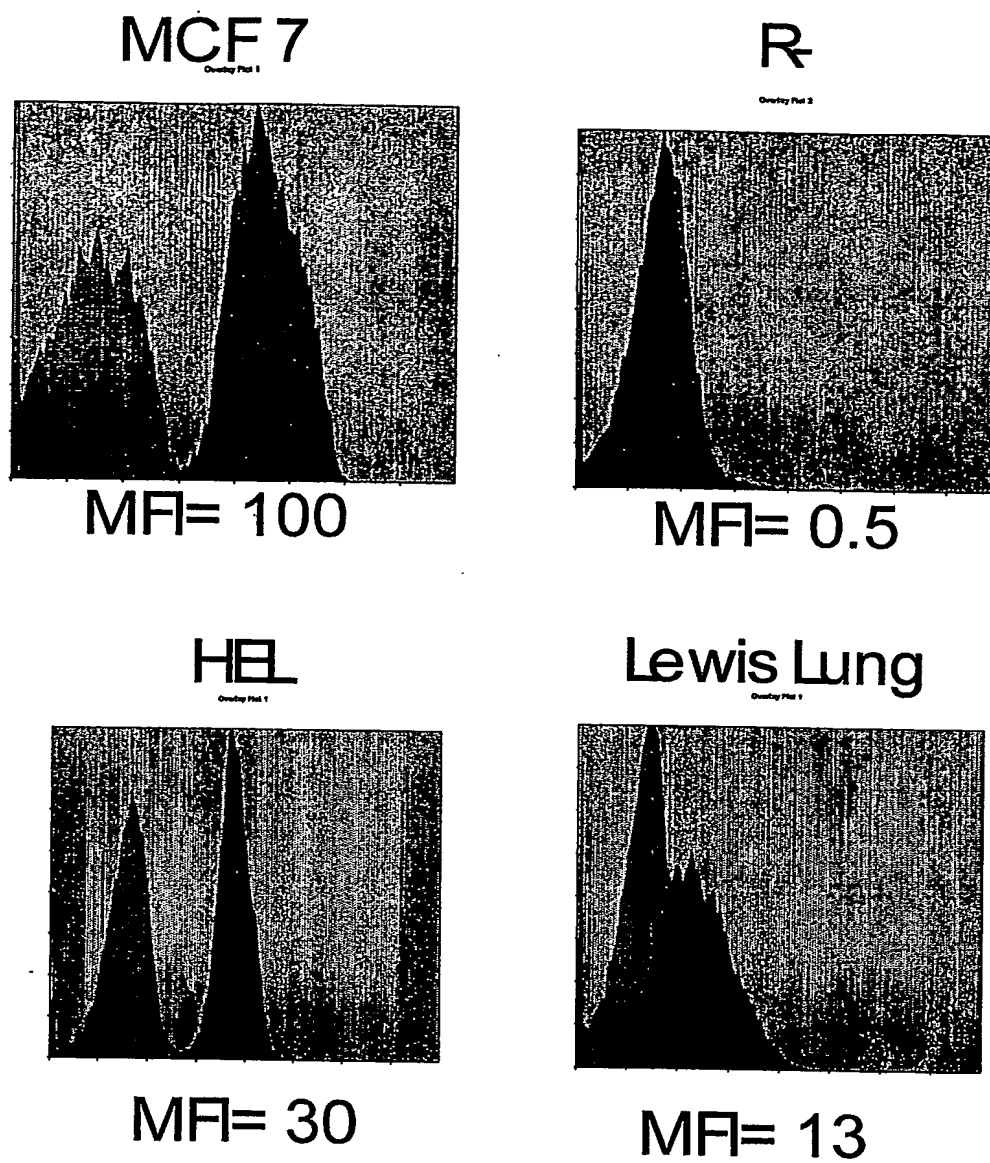
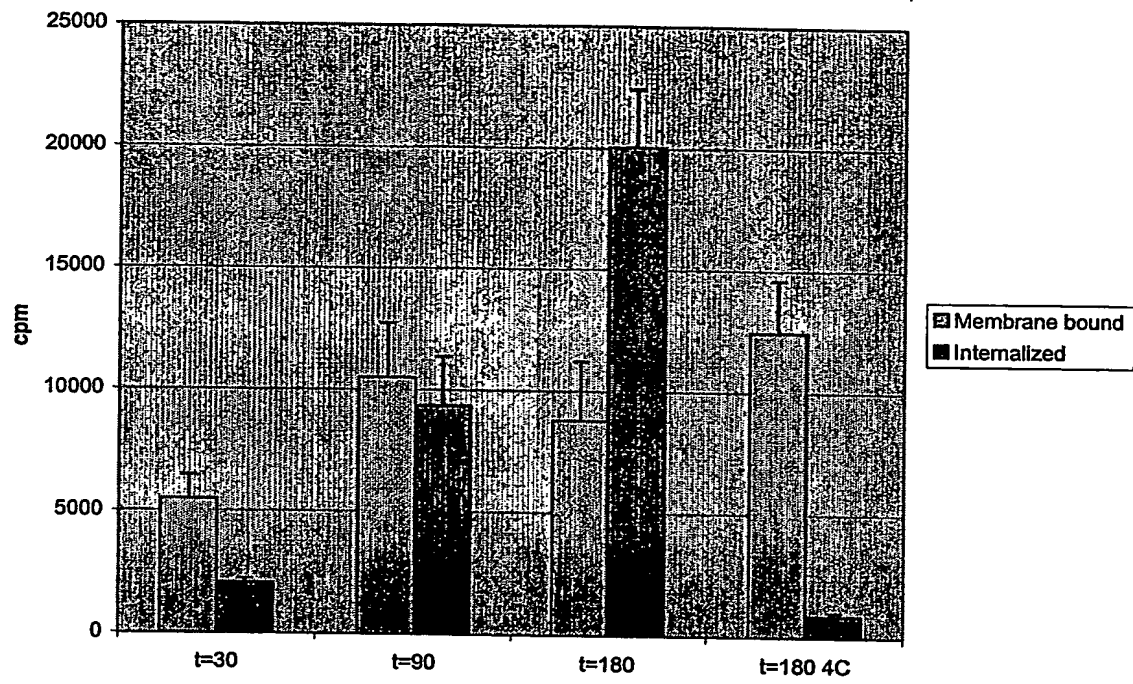




Figure 22A



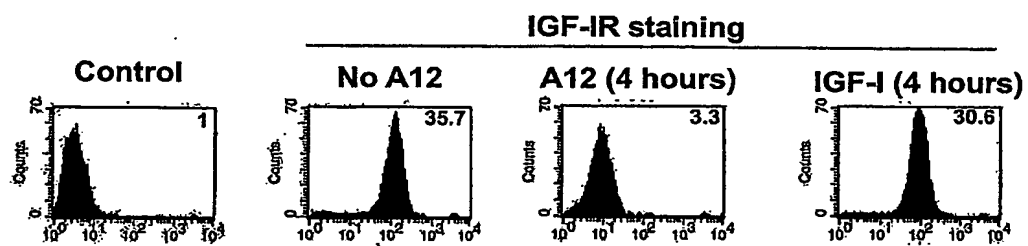
**Figure 22B**

Figure 22C

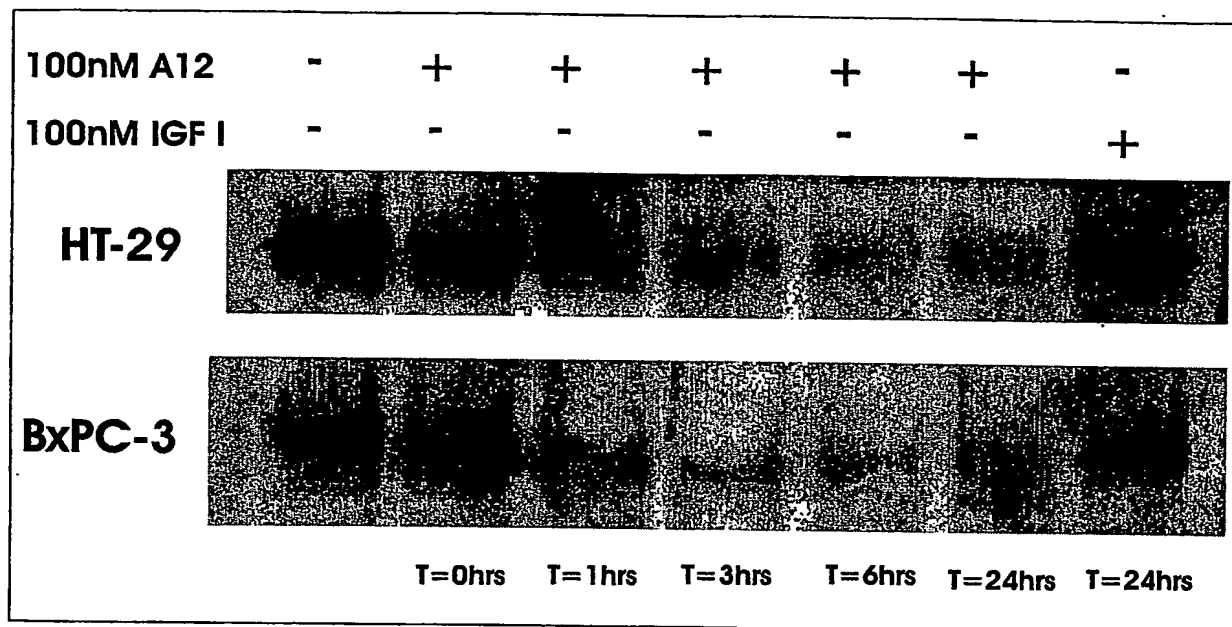
**Antibody-mediated IGF-I receptor degradation**

Figure 23

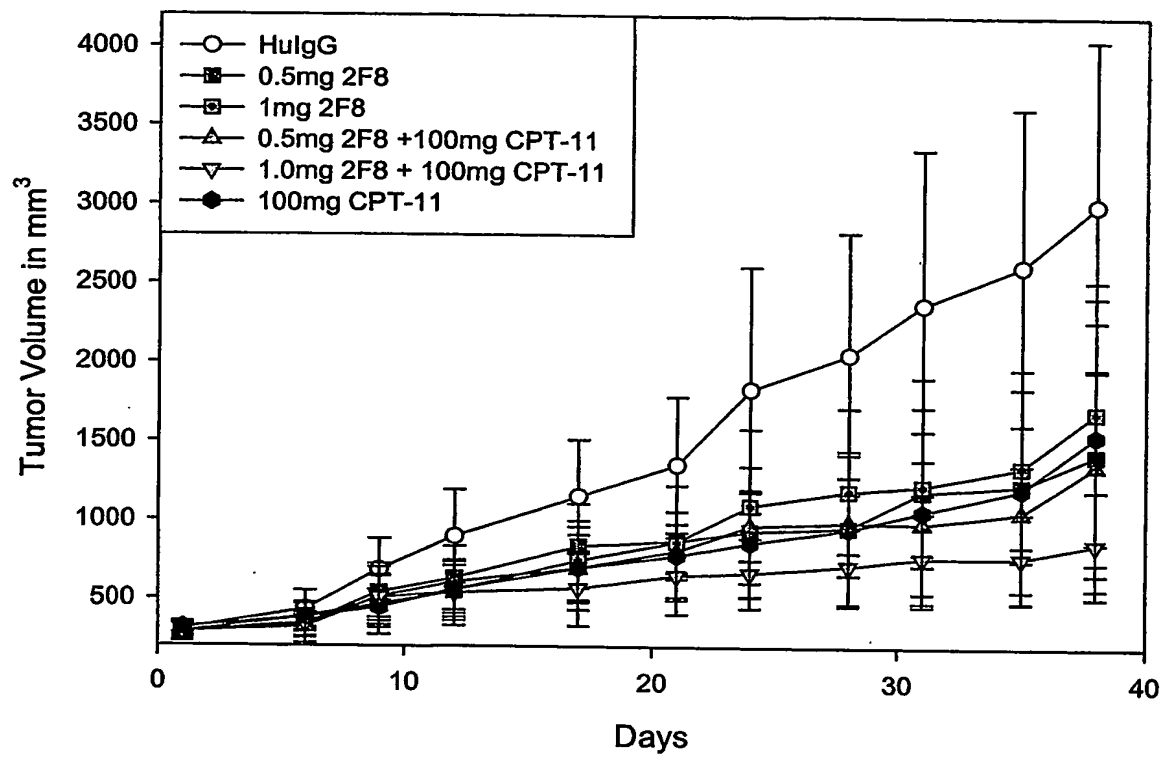


Figure 24

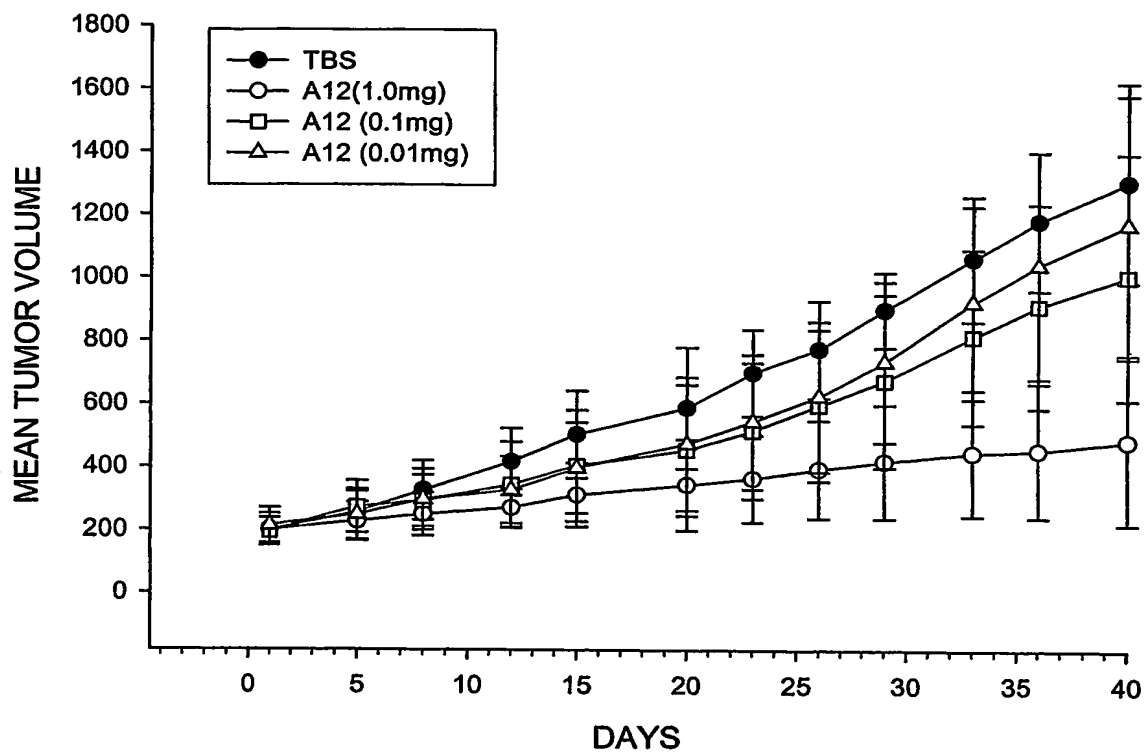


Figure 25:

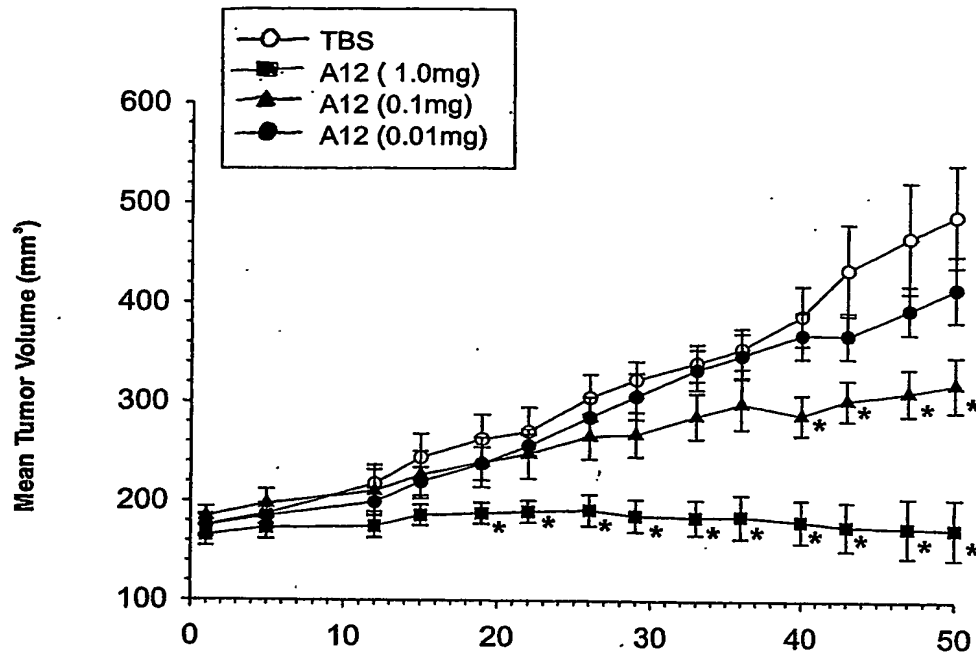


Figure 26

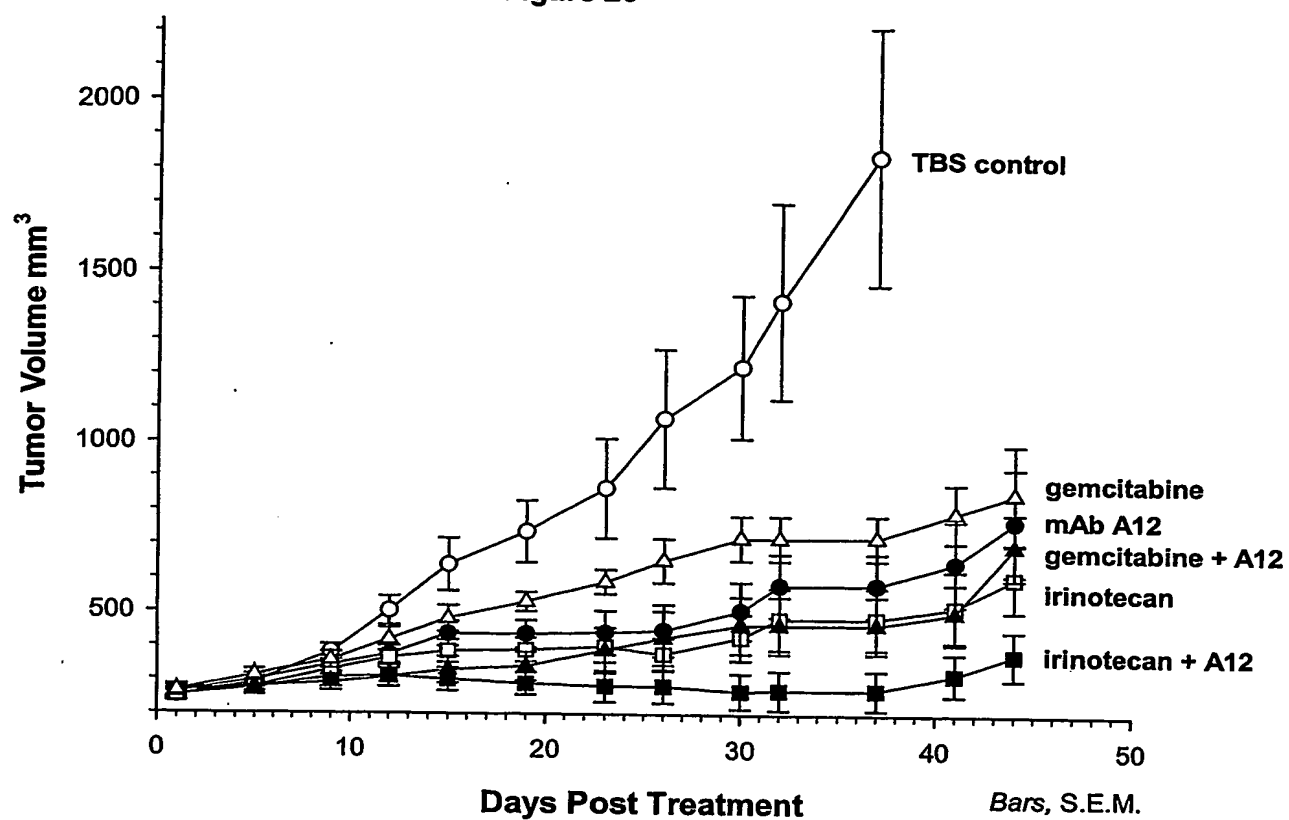
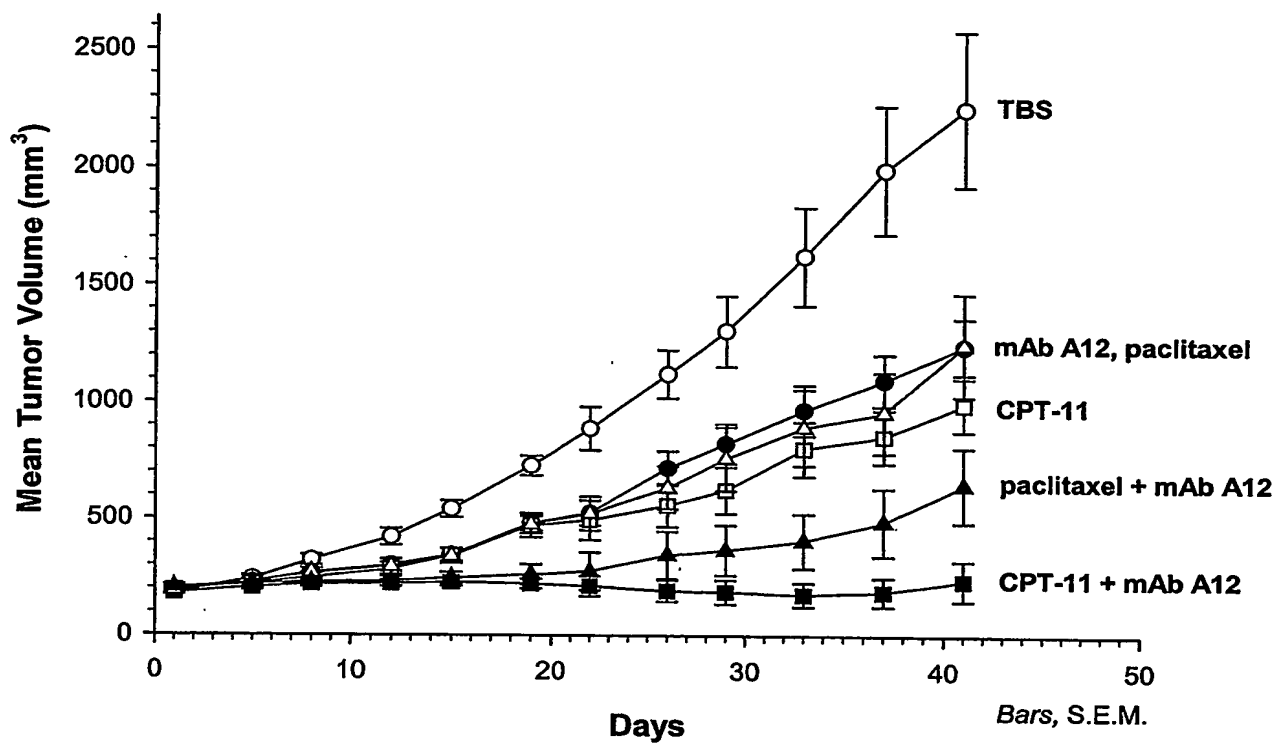


Figure 27





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